

Mathematical Biosciences

an international journal

Volume 121

M. A. J. CHAPLAIN (Bath, United Kingdom), D. L. BENSON, AND P. K. MAINI (Oxford, United Kingdom)	
Nonlinear Diffusion of a Growth Inhibitory Factor in Multicell Spheroids . . .	1
J. H. SWART AND A. R. MEIJER (Durban, Republic of South Africa)	
A Simplified Model for Age-Dependent Population Dynamics	15
SIMON J. R. WOODWARD AND GRAEME C. WAKE (Palmerston North, New Zealand)	
A Differential-Delay Model of Pasture Accumulation and Loss in Controlled Grazing Systems	37
PETROS LENAS AND STAVROS PAVLOU (Patras, Greece)	
Periodic, Quasi-periodic, and Chaotic Coexistence of Two Competing Microbial Populations in a Periodically Operated Chemostat	61
G. M. TALLIS (Adelaide, South Australia)	
Compartmental Models and Competing Risk	111
BOOK REVIEW	
CARLA WOFSY (Albuquerque, New Mexico)	
Biological Kinetics (Lee A. Segel)	123
FRANCISCO J. OYARZUN AND KENNETH LANGE (Los Angeles, California)	
The Attractiveness of the Droop Equations II: Generic Uptake and Growth Functions	127
A. SIKDER AND A. B. ROY (Calcutta, India)	
Multiple Cyclic Sets Connecting Saddle Points and Limit Cycles of a Four-Species System and Its Uniform Persistence	141
DANIEL CLAUDE AND NELLY NADIAR (Gif-sur-Yvette Cedex, France)	
Nonlinear Adaptive Control of Adrenal-Postpituitary Imbalances and Identifiability Analysis	155
M. ELIZABETH HALLORAN AND LUC WATELET (Atlanta, Georgia)	
AND CLAUDIO J. STRUCHINER (Rio de Janeiro, Brazil)	
Epidemiologic Effects of Vaccines with Complex Direct Effects in an Age-Structured Population	193
DAVID HALITSKY (Cambridge, Massachusetts)	
A Geometric Model for Codon Recognition Logic	227

NIKOLAOS I. STILIANAKIS, DIETER SCHENZLE, AND
KLAUS DIETZ (Tübingen, Germany)

On the Antigenic Diversity Threshold Model for AIDS235

BOOK REVIEW

JAY A. ROSENHEIM (Davis, California)

The Design and Analysis of Research Studies

(Bryan F. J. Manly)249

